

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN NURSING
FIRST YEAR SECOND SEMESTER EXAMINATION - AUGUST 2017

NURMP 1284 MICROBIOLOGY & PARASITOLOGY

PAPER II

Date: 22.08.2017

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

ANSWER PARTS A AND B IN SEPARATE ANSWER BOOKS

PART A

1.
 - 1.1 Name four culture media used in bacterial diagnosis. (10 Marks)
 - 1.2 List the uses of each culture media you mentioned in 2.1. (30 Marks)
 - 1.3 Name two staining methods which are used to identify the bacteria. (20 Marks)
 - 1.4 List the structural components of a bacterial cell and state their function. (40 Marks)

2. Write an account on the following diseases including the causative organism, transmission and microbiological diagnosis
 - 2.1 Hepatitis B infection (40 Marks)
 - 2.2 Gas gangrene (30 Marks)
 - 2.3 Typhoid fever (30 Marks)

3. Write notes on
 - 3.1 Superficial fungal infections (30 Marks)
 - 3.2 Acquired Immunity (40 Marks)
 - 3.3 Nosocomial infections (30 Marks)

4.

- 4.1 Name three bacteria which cause respiratory tract infection. (15 Marks)
- 4.2 How would you collect and transport the sputum sample for the bacteriological investigation from a patient with lower respiratory tract infection. (30 Marks)
- 4.3 Briefly describe the infection control measures which can be followed to prevent respiratory infections in a ward. (55 Marks)

PART B

5.

- 5.1 State the different sources through which human can acquire a parasitic infection with suitable examples. (60 marks)
- 5.2 Briefly outline the prevention and control of any ONE of the parasitic conditions which you mentioned above. (40 marks)

6. Explain the following statements

- 6.1 Administration of Antivenom is not a routine treatment for all the snake bite cases. (50 marks)
- 6.2 Avoiding indiscriminate defecation and the use of proper sanitary latrines will help to prevent the transmission of soil transmitted helminth (STH) infections. (50 marks)